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In re Application of:

RICHARD G. HYATT Jr.

Serial No.: 08/720,070

Examiner: BARRETT, SUZANNE

Filed: 27 September 1996

Art Unit: *to be assigned*

For: ELECTROMECHANICAL CYLINDER PLUG

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application

Paper No. 74

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes and provides copies of the following art references:

U.S. PATENT REFERENCES:

- U.S. Patent No. 4,415,893 to Roland et al., entitled DOOR CONTROL SYSTEM, issued on 15 November 1983.
- U.S. Patent No. 5,010,750 to Boser et al., entitled LOCK CYLINDER WITH ELECTROMAGNETIC TUMBLER, issued on 30 April 1990.
- U.S. Patent No. 5,540,069 to Muller et al., entitled ELECTRONIC AND MECHANICAL LOCK AND KEY THEREFOR, issued on 30 July 1996.

- U.S. Patent No. 5,628,217 to Herrera, entitled ELECTRONIC-MECHANICAL LOCKING CYLINDERS, issued on 13 May 1997.
- U.S. Patent No. 6,363,762 to Kueng, entitled LOCKING DEVICE, issued on 2 April 2002.
- U.S. Patent No. 6,374,653 to Gokcebay et al., entitled MECHANICAL/ELECTRONIC LOCK AND KEY THEREFOR, issued on 23 April 2002.
- U.S. Patent No. 6,552,650 to Gokcebay et al., entitled COIN COLLECTION LOCK AND KEY, issued on 22 April 2003.

FOREIGN PATENT REFERENCES:

- Swiss Patent Application No. CH 653 400 to Bauer Kaba, entitled *Schlosszylinder*, published on 31 December 1985.
- European Patent Application No. EP 453 878 to Strasse, entitled *Schliesszylinder mit elektromagnetischer Verriegelung insbesondere für Einsteckschlosser bestimmter Profilzylinder*, published on 11 April 1991.
- European Patent Application No. EP 278 906 to R. Berchtold, entitled *Elektromechanische Schliesseinrichtung*, published on 2 February 1988.

- European Patent Application No. EP 281 507 to Zeiss Ikon, entitled Doppelschliesszylinder, published on 2 March 1988
- European Patent Application No. EP 303 849 to BKS, entitled Schliesszylinder mit elektromagnetisch betätigbarem Sperrelement, published on 21 July 1988.

DISCUSSION

Roland et al.'893 relates to a door control unit for electronically locking and unlocking one or more doors.

Boser et al.'750 relates to a lock cylinder suitable for mortise locks comprises mechanically operating tumbler pins controlled by a key and at least one electromagnetic tumbler.

Muller et al.'069 discloses a locking device including both a mechanical lock operable with a key and an electrical lock, operable from the same key.

Herrera'217 discloses a locking system which includes a blocking and electronic releasing device by means of different codes for each one of the keys, it also being possible to modify the memory of the control circuit by means of an operating key to refuse access to a lost key, also allowing access to other new copies of the key.

Kueng'762 relates to a locking device for a lock cylinder having an electronically controlled inhibiting element, which in an inhibit position blocks movement of a rotor relative to a stator and frees the rotor in a free position.

Gokcebay et al.'653 discloses a lock cylinder of standard size and configuration,

interchangeable with conventional mechanical cylinders, includes electronic access control features as additional security or in some embodiments as the sole security feature.

Gokcebay et al.'650 discloses a mechanical lock and key including an electronic access control feature for preventing opening of the lock unless prescribed conditions are met.

Bauer, CH 653 400 by Arno Kleinhany, et al. discloses an electromagnetic latching assembly 20 installed in the shell of a cylinder plug lock.

Strasse '878 by Edgar Schulenberg disclosed that a lock plunger with both tumblers and an electromagnetic locking function using a regularly directed side-bar, with an armature move towards the cylinder plug.

Berchtold '906 by Benno Vonlanthen discloses an electromagnetic cylinder lock provided with a key that is coded both electronically and mechanically, and an electromagnet with an armature movable in the direction of its long axis that engages the cylinder plug through the medium of a release pen.

Zeiss Ikon'507 by Gorgen Kruhn discloses an electromagnetic lock with a radially extending element operating upon the cylinder plug.

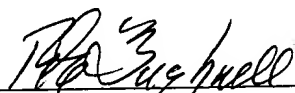
BKS IP'849 by Hans-Dieter Baden, et al., discloses a radially aligned electromagnetic element acting upon a cylinder plug.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Pursuant to 37 CFR § 1.97 (e)(2), no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in section 1.56(e) more than three months prior to the filing of the information disclosure statement. Pursuant to 37 CFR § 1.97 (e)(2) the fee of \$180.00 set forth in 37 CFR § 1.17 (p) accompanies this information disclosure statement.

A fee of \$180.00 is incurred by filing of the foregoing Information Disclosure Statement. Applicant's check drawn to the order of Commissioner accompanies this Amendment. Should the check become lost, be deficient in payment, or should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

Respectfully submitted,


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